

## KS3 Plant Adaptations and Photosynthesis Classroom activity pack

This pack contains a series of activities for you to complete with your class both before and after your visit to Kew.

You may choose to do all of the activities or just select one. Post-visit activities are intended to build on the learning from the educational session at Kew. Many of the resources can be used on a whiteboard or can be printed.



## Pre-visit teacher notes

### KS3 Plant adaptations and photosynthesis

Thank you for booking the KS3 plant adaptations and photosynthesis education session at Kew.

You can use the pre-visit activity to support your pupils' learning.

Ahead of your visit, your pupils could answer the question below. They can tell us about their answers when they come to Kew.



Kew scientists have been studying how plants evolved frost hardiness.

Why might Kew scientists want to find out what enables some plants to be frost-resistant? How might they use this knowledge?

Note for teachers:

Kew scientists might want to try to make some useful plants more frost resistant e.g. crop plants. If they can discover what makes some plants frost-resistant, they may be able to transfer this to useful plants that don't survive well in frosty conditions. More info can be found at:

<https://www.kew.org/read-and-watch/plant-frost-hardiness>



## Pre-visit pupil activity

### KS3 Plant adaptations and photosynthesis



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How might they use this knowledge?

